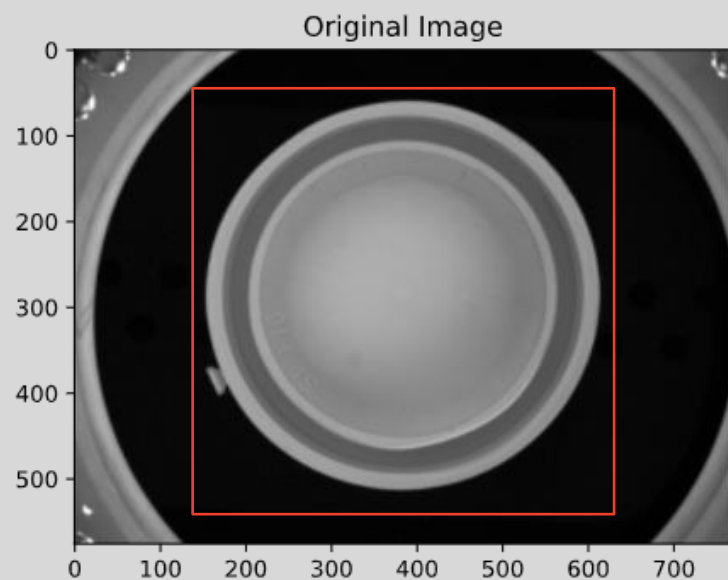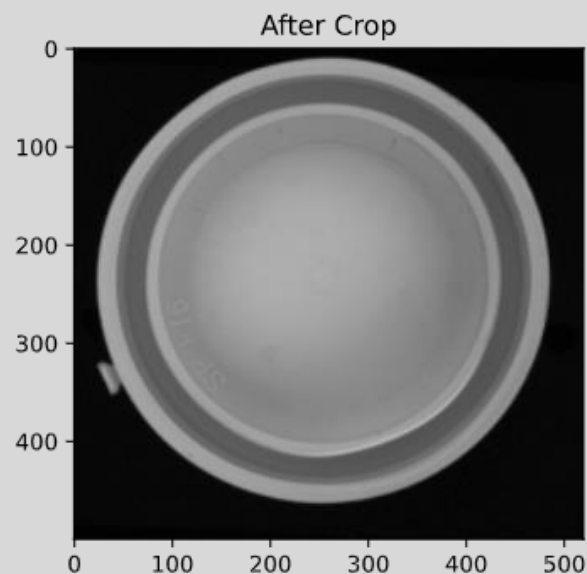# CAP INSPECTION AND PREPROCESSING

Xiaowei Wen

Matricola: 982501

A.Y. 2020/2021
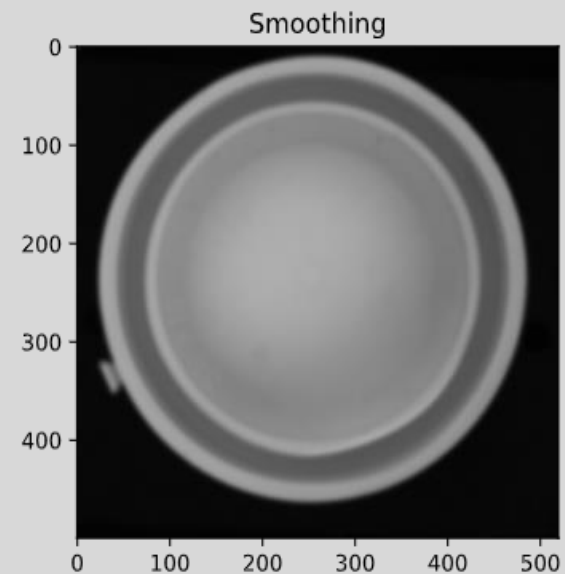
Preparing images

Original Image
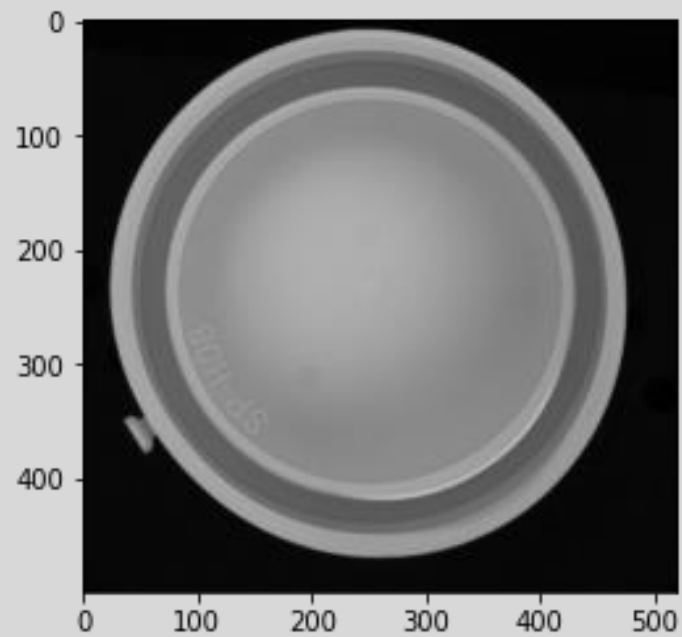[50:550,130:650]

After Crop
Gaussian Filter

Smoothing

Task 1

Highlighting the cap
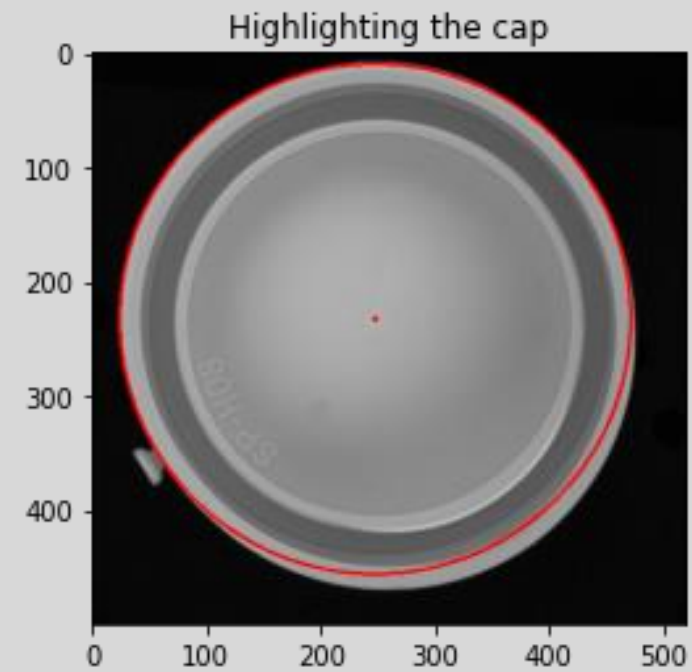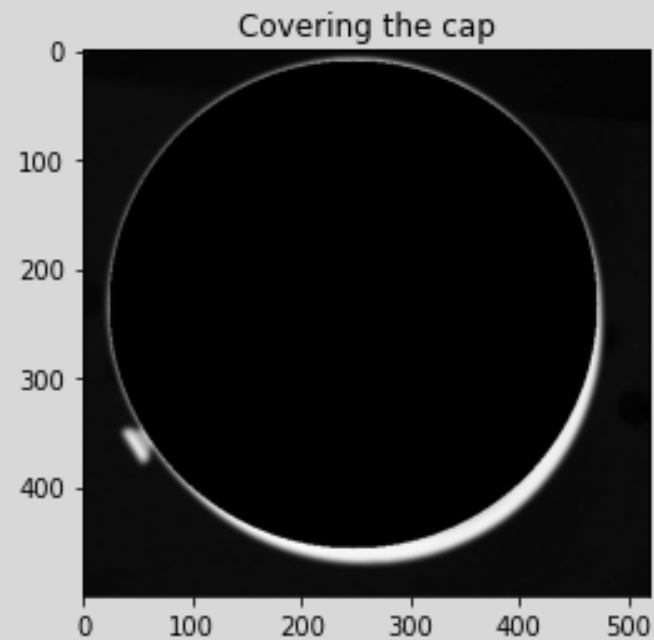
Task 1: ✔

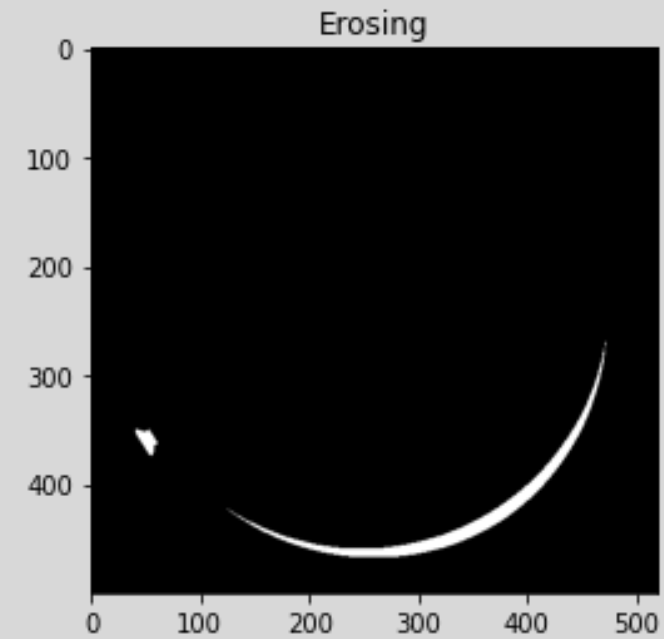# Looking for the tab - 1

Highlighting the cap | Covering the cap | Binary thresholding
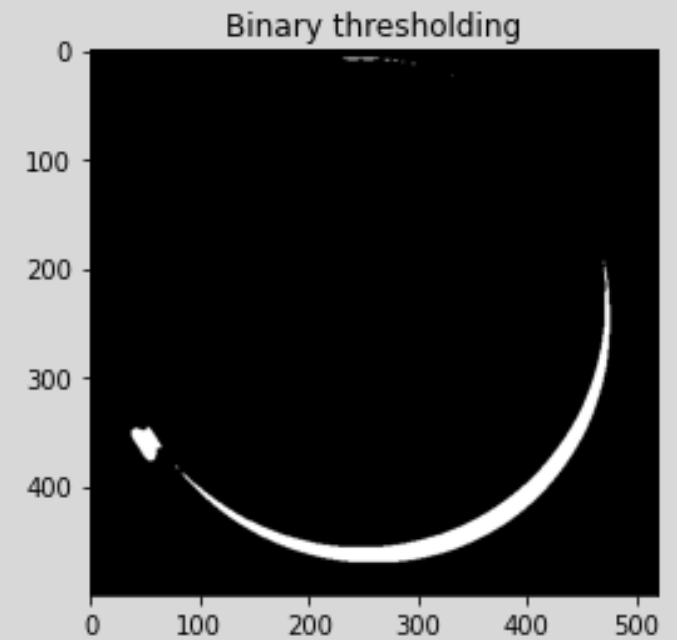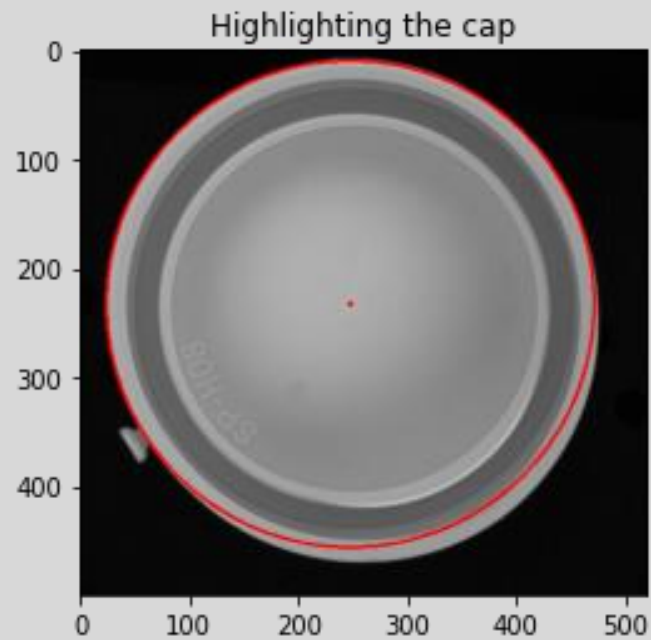
Looking for the tab - 2
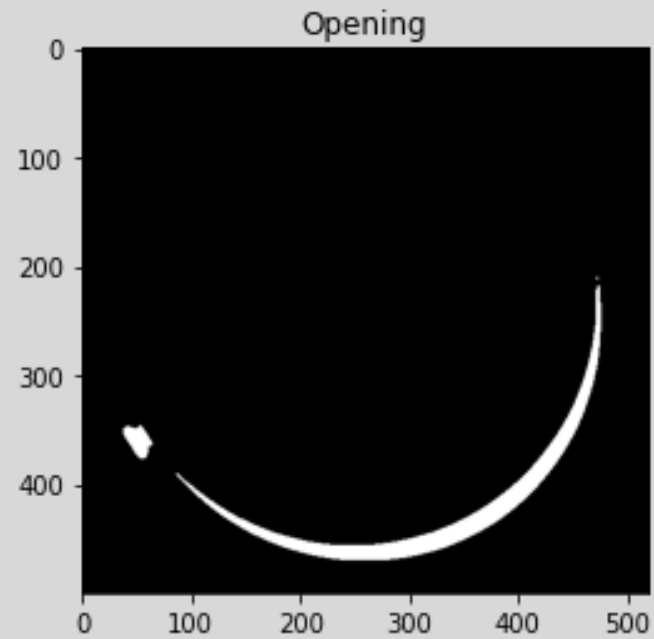
Looking for the tab - 3

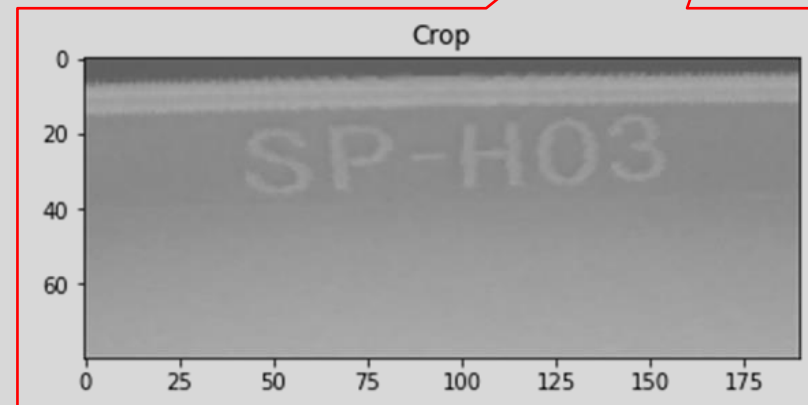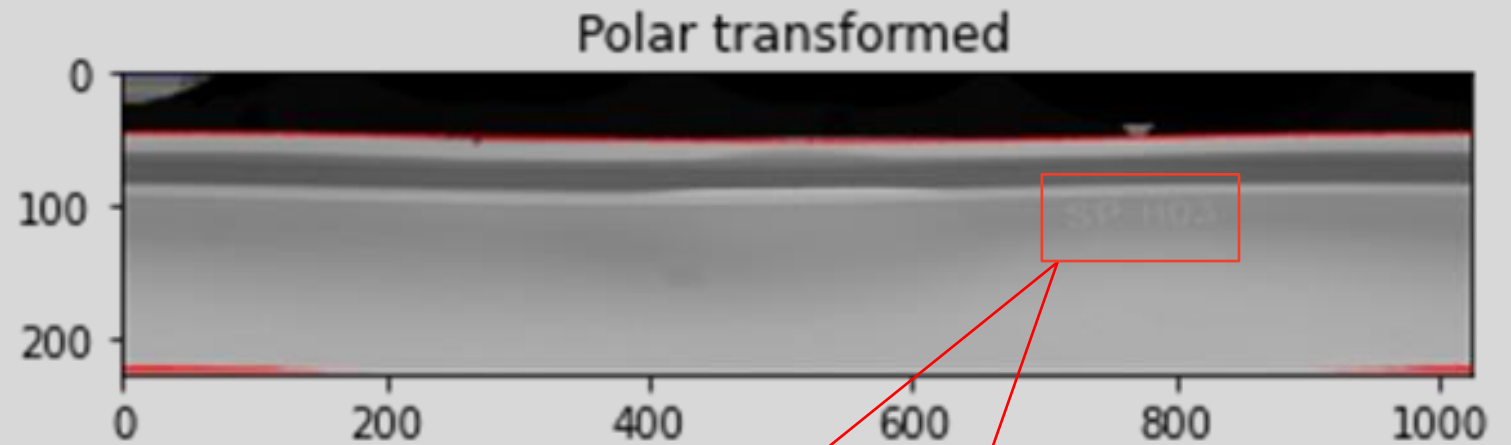| area	perimeter	bbox-area	label	compactness	rectangularity
258	71.77	480	3	19.96	0.54
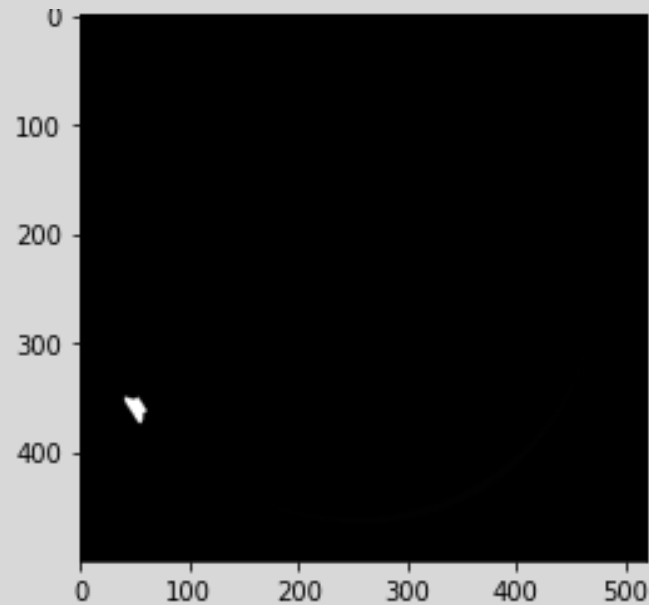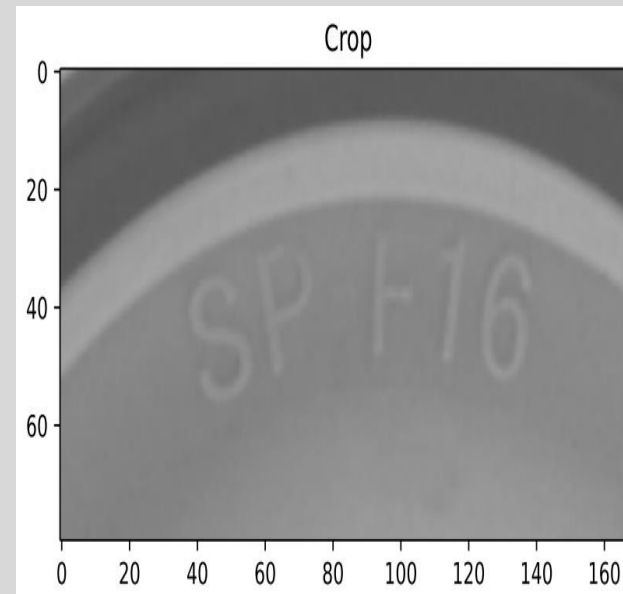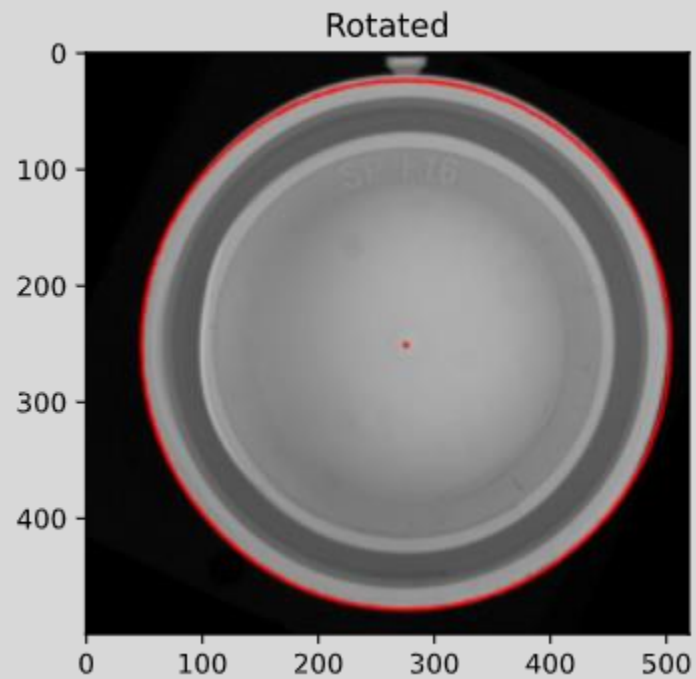
Task 2

Polar transform & Crop

Task 3: ✔

But!

Crop

Rotation

Task 3: ✔